PRODUCT INFORMATION PACKET

Model No: 182TTTS6538 Catalog No: E470 XRI®-SD Severe Duty Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 182T Frame, TENV



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Nameplate Specifications

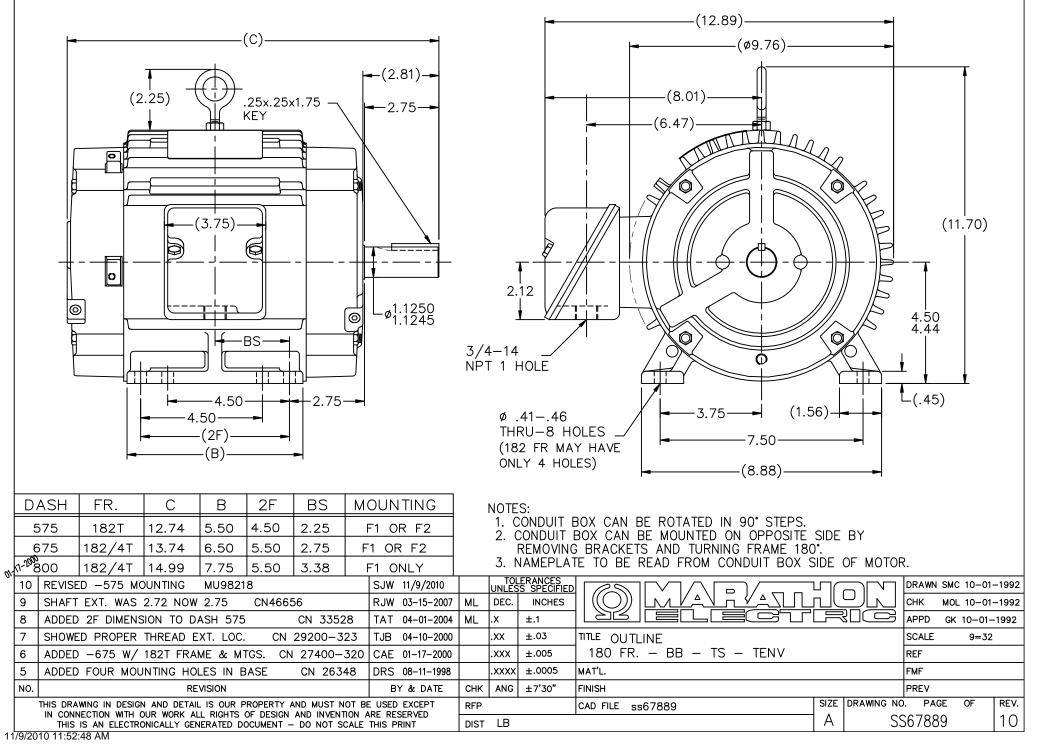
Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	1760 & 1470 rpm	Service Factor	1.15 & 1.15
Frame	182T	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	90.2 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8/4 & 6.8/3.4 A	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	к
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	3.76 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	12.74 in
Frame Length	5.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 20:1		
Outline Drawing	SS67889-575	Connection Drawing	A-EE7308

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SS67889



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CERTIFICATION DATA SHEET

Model#:	182TTTS6538 BR	WINDING#:	K1824116 NONE 1
CONN. DIAGRAM:	A-EE7308	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	SS67889-575		

TYPICAL MOTOR PERFORMANCE DATA

НР		ĸw	SYN	C. RPM	F.L. RPM	FRAME	EN	CLOSURE	KVA CO	DE	DESIGN
3&2	2.2	24&1.49	1	800	1760&1470	182T		TENV	К		В
РН	Hz	vo	LTS	FL AMPS	S START TYPE	DUTY	INSL	. s	.F /	AMB°C	ELEVATION
3	60/50		60#190/ 80	8/4&6.8/3	.4 LINE OR INVERTER	CONTINUOU S	F3	1.15	/1.15	40	3300
FULL LOAD EFF: 3/4 LOAD EFF: 89.5 1/2 LOAD EFF: 88.5 90.2&88.5 1/2 LOAD EFF: 88.5		GTD. E	FF	ELEC	ТҮРЕ	NOI	LOAD AMPS				
FULL LOAD P	F: 80&76	3/4 LOA	D PF: 75	5 1/2	2 LOAD PF: 63	88.5		SQ CAGE	NV RATED		3.8 / 1.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	64 / 32	22.5 LB-FT 250	35 LB-FT 389	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.4 LB-FT^2	40 LB-FT^2	25 SEC.	2	90 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1144	CAST IRON
6206	6205					STRESSPROOF	
						(C-223)	

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 20:1							
INV. HP SPEED RAN	NGE: 1.5 X	BASE SPEED					
ENCODER: NONE							
NONE NONE	NONE NONE						
NONE NONE PPR							
BRAKE: NONE	NONE						
NONE P/N NO	NONE P/N NONE						
NONE NONE							
NONE FT-LB NONE V NONE Hz							

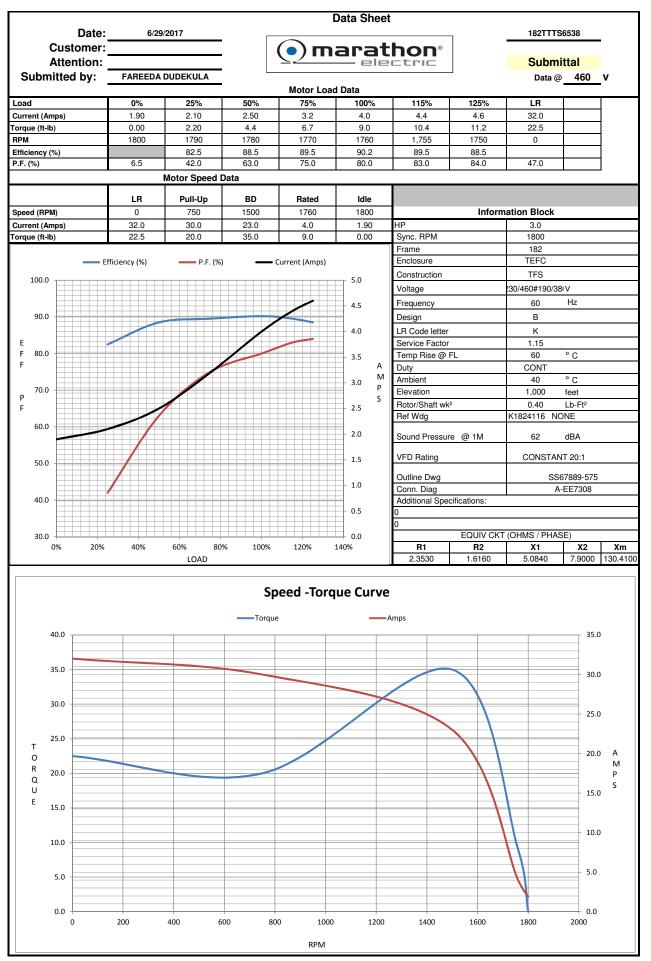
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EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 182TTTS6538

(Model No. may contain prefix and/or suffix characters)

Catalog No : E470

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer